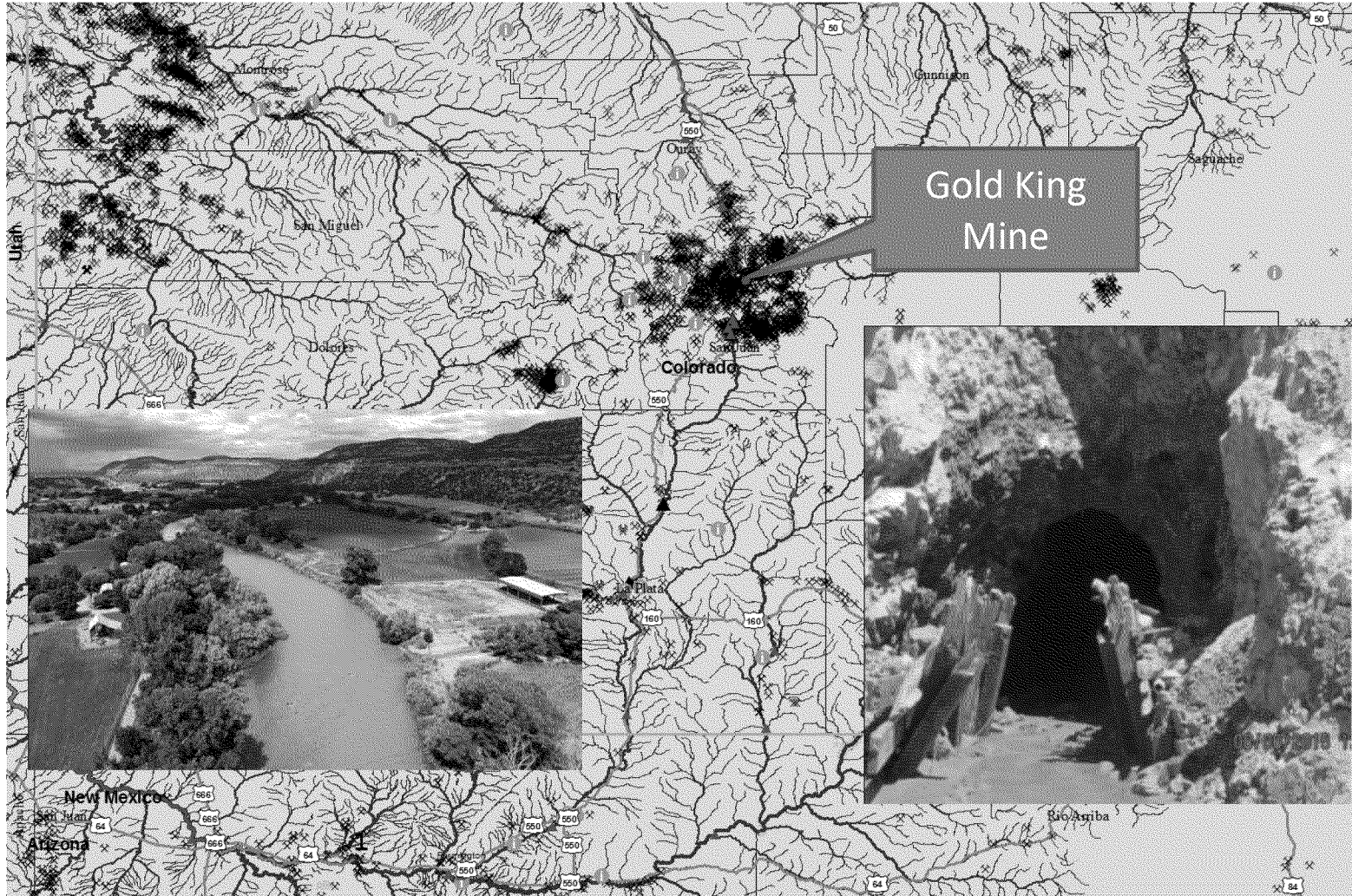


Gold King Mine Spill

ICWater Preliminary Results

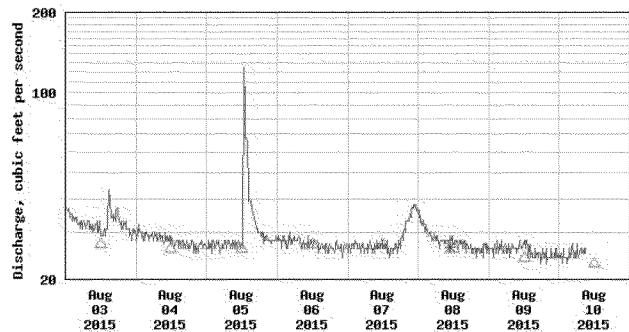


ICWater Quick Trace – 48 hours, based on flow at Cement Creek at Silverton, CO

Discharge, cubic feet per second

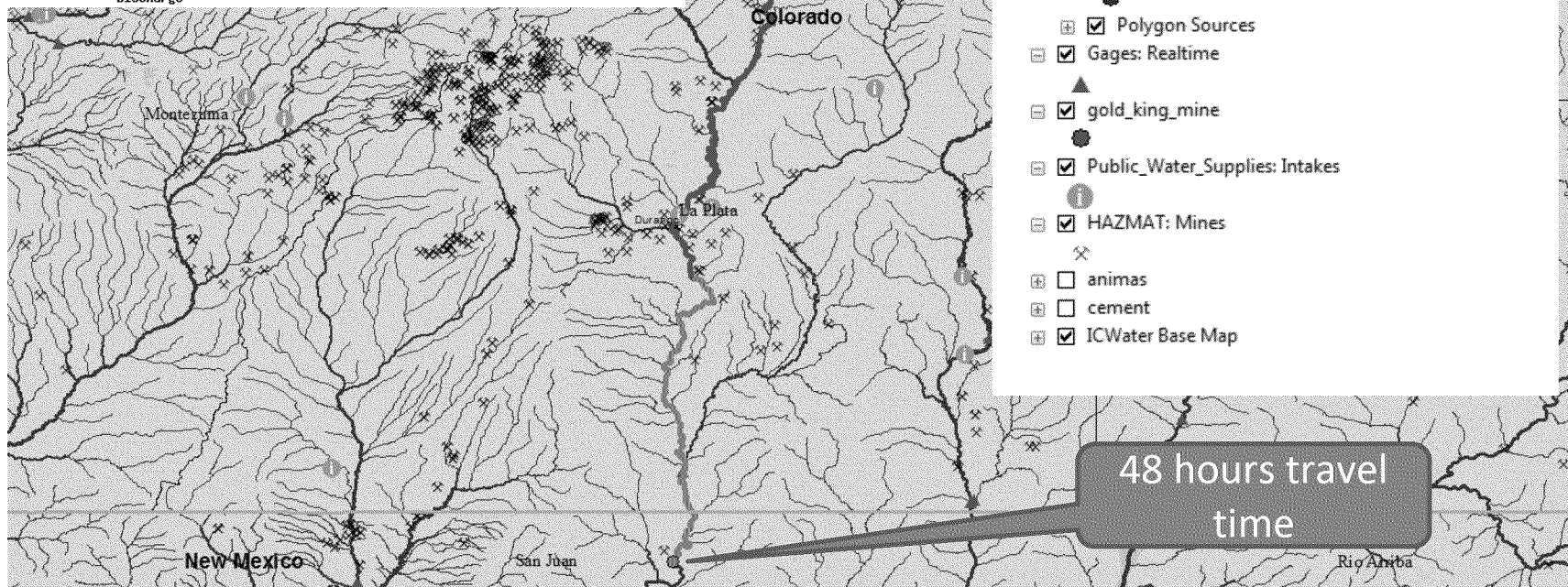
Most recent instantaneous value: 26 08-10-2015 09:00 MDT

USGS 09358550 CEMENT CREEK AT SILVERTON, CO



Provisional Data Subject to Revision

△ Median daily statistic (22 years) * Measured discharge
— Discharge



ICWater Preliminary Results

- ☒ Downstream Quick Trace
- 8/5/2015 at 10:30 AM to 8/5/2015 at 10:30 PM
 - 8/5/2015 at 10:30 PM to 8/6/2015 at 10:30 AM
 - 8/6/2015 at 10:30 AM to 8/6/2015 at 10:30 PM
 - 8/6/2015 at 10:30 PM to 8/7/2015 at 10:30 AM

Preliminary Results
ICWater
QuickTrace

Contaminated river

The Environmental Protection Agency triggered the wastewater release Wednesday morning while using heavy machinery to investigate pollutants at the Gold King Mine north of Silverton.

A 10:30 a.m. Wednesday

Spill begins that sent 1 million gallons of wastewater into the Cement Creek then Animas River.

B 12:45 p.m.

Approaches town of Silverton, where Cement Creek flows into the Animas River.

C Midnight Wednesday

Approaches Tall Timbers Depot on the Durango & Silverton Narrow Gauge Railroad.

D 5:30 a.m. Thursday

Travels toward Bakers Bridge.

E 1:30 p.m.

Water discoloration begins near Glider Park.

F 8 p.m.

Contaminated water reaches Durango as hundreds line the river to watch.

G 5 a.m. Friday
Estimated time to reach New Mexico state line.



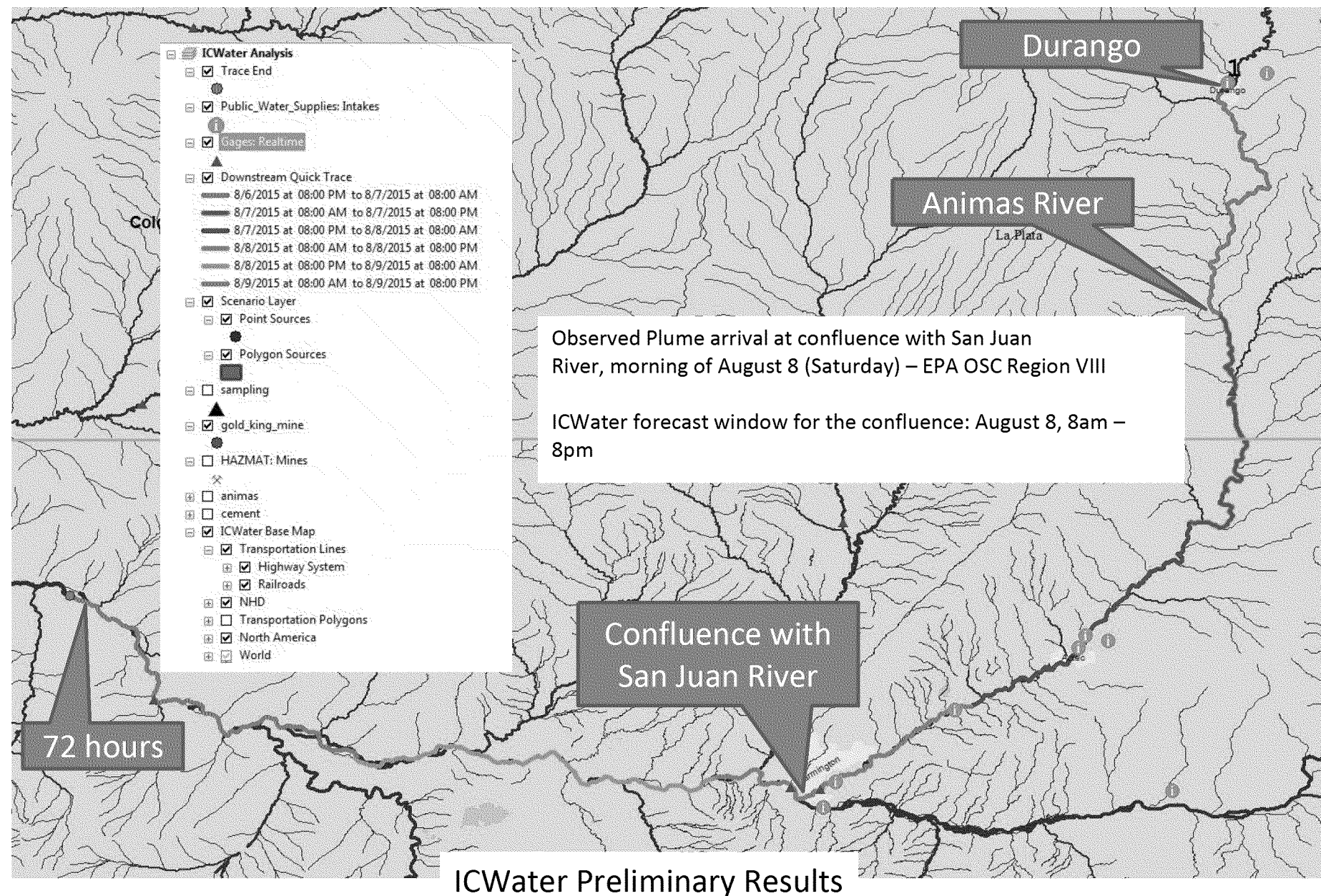
Severiano Galván, The Denver Post

(The Denver Post)

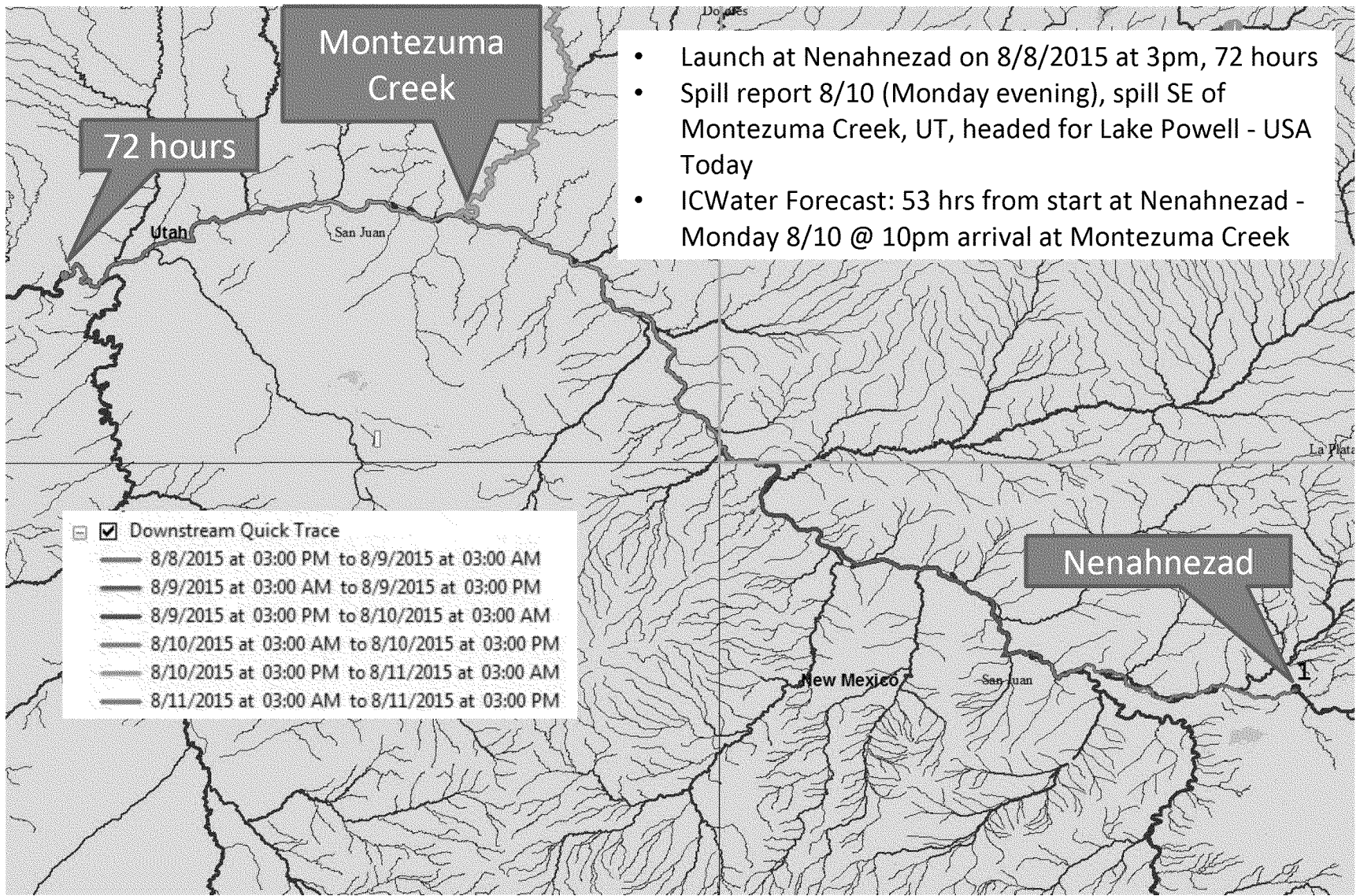
	Location	Date	Day	Time	Observed Hours	Modeled Hours (flow on 8/5, Cement Creek@Silverton)
A	Gold King Mine	8/5/2015	Wednesday	1030	0	0
B	Cement Cr/Animas River	8/5/2015	Wednesday	1245	2.25	5.7
C	Tall Timbers Depot	8/5/2015	Wednesday	2400	13.5	16.1
D	Bakers Bridge	8/6/2015	Thursday	530	19	21.1
E	Glider Park	8/6/2015	Thursday	1330	27	26.7
F	Durango	8/6/2015	Thursday	2000	33.5	33.4
G	Estimated Time to NM Border	8/7/2015	Friday	500	42.5	45.8

ICWater Preliminary Results

ICWater Forecast from Durango, CO

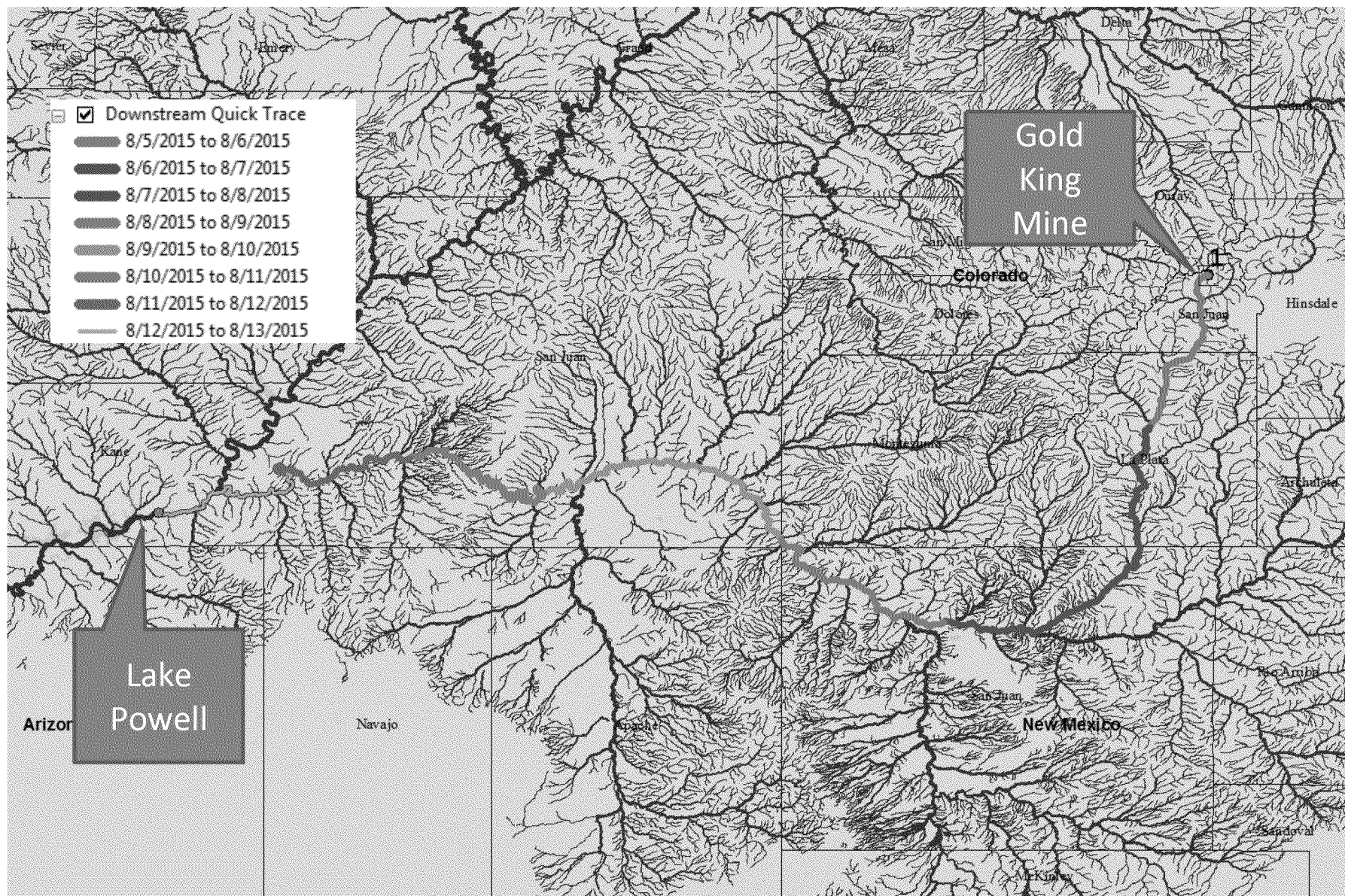


ICWater Forecast from Nenahnezad, NM



ICWater Preliminary Results

ICWater QuickTrace – 8 day travel time



ICWater Preliminary Results